

Table 5.1. Curriculum

**STUDY PROGRAM
INFORMATION TECHNOLOGY**

No.	Course code	Course name	Semester	Course type	Active teaching				Other classes	ECTS	Compulsory/elective C/E	Elective group
					L	PE	OFT	RW				
FIRST YEAR												
1	3 .I111	Mathematics 1	1	TM	3.00	3.00	0.00	0.00	0.00	8.00	C	
2	3 .I112	Fundamentals of Computer Technology	1	NS	2.00	2.00	0.00	0.00	0.00	8.00	C	
3	3 .I113	Algorithms and Data Structures	1	SA	3.00	3.00	0.00	0.00	0.00	8.00	C	
4	3 .I114	English Language 1	1	AO	2.00	2.00	0.00	0.00	0.00	6.00	C	
5	3 .I121	Mathematics 2	2	TM	3.00	3.00	0.00	0.00	0.00	8.00	C	
6	3 .I122	Introduction to Programming (Python)	2	NS	3.00	3.00	0.00	0.00	0.00	8.00	C	
7	3 .I123	Architecture of Computer Systems	2	NS	3.00	3.00	0.00	0.00	0.00	8.00	C	
8	3 .I124	English Language 2	2	AO	2.00	2.00	0.00	0.00	0.00	6.00	C	
Total number of teaching hours and ECTS credits					21	21	0.00	0.00	0.00	60		
Total number of teaching hours per year					42							
Annual number of active classes per year					315	315						
Total ECTS per year										60		
SECOND YEAR												
9	3 .I231	Probability and Statistics	3	TM	3.00	3.00	0.00	0.00	0.0	8.00	C	
10	3 .I232	Program Languages (C and C++)	3	SA	3.00	3.00	0.00	0.00	0.0	8.00	C	
11	3 .I233	Electronics for Informaticians	3	SA	3.00	3.00	0.00	0.00	0.0	7.00	C	
12	3 .IZB1	Elective course 1 (a- 7credit course is elected)	3		3.00	2.00	0.00	0.00	0.0	7.00	E	E G
13	3 .I241	3 .I234 Introduction to Web Programming	3	TM	3.00	2.00	0.00	0.00	0.00	7.00		
		3 .I235 Internet Technology	3	TM	3.00	2.00	0.00	0.00	0.00	7.00		
		Fundamentals of Telecommunications	4	TM	3.00	2.00	0.00	0.00	0.00	7.00	C	
14	3 .I242	Operation Systems		NS	3.00	3.00	0.00	0.00	0.00	8.00	C	
15	3 .I243	Object Oriented Programming -C# (Java)	4	SA	3.00	3.00	0.00	0.00	0.00	7.00	C	
16	3 .IZB2	Elective course 2 (an 8-credit course is elected)	4		3.00	2.00	0.00	0.00	0.00	8.00	E	E G
		3 .I244 Digital Electronics	4	AO	3.00	2.00	0.00	0.00	0.00	8.00		
		3 .I245 Security and Protection of Computer Systems	4	AO	3.00	2.00	0.00	0.00	0.00	8.00		
		3 .I246 Discreet Mathematics	4	AO	3.00	2.00	0.00	0.00	0.00	8.00		
Total number of teaching hours and ECTS credits					24	21				60		
Total number of teaching hours per year					45							
Annual number of active classes per year					360	315						
Total ECTS per year										60		
THIRD YEAR												
17	3 .I 351	Databases	5	NS	3.00	3.00	0.00	0.00	0.0	7.00	C	
18	3 .I352	Artificial Intelligence	5	NS	3.00	3.00	0.00	0.00	0.0	7.00	C	
19	3 .I353	Web Applications Development	5	NS	3.00	3.00	0.00	0.00	0.0	8.00	C	
20	3 .IZB3	Elective course 3 (an 8-credit course is elected)	5		3.00	2.00	0.00	0.00	0.0	8.00	E	E G
		3 .I354 Multimedia Systems	5	NS	3.00	2.00	0.00	0.00	0.00	8.00		
		3 .I355 Computer Graphics and Design	5	AO	3.00	2.00	0.00	0.00	0.00	8.00		
		3 .I356 Fundamentals of Entrepreneurship	5	AO	3.00	2.00	0.00	0.00	0.00	8.00		

21	3 .I361	Business Information Systems	6	NS	3.00	3.00	0.00	0.00	0.0	8.00	C	
22	3 .I 362	Introduction to Management	6	AO	3.00	2.00	0.00	0.00	0.0	7.00	C	
23	3 .I363	Computer Networks	6	SA	3.00	3.00	0.00	0.00	0.0	7.00	C	
24	3 .IZB4	Elective course 4 (an 8- credit course is elected)	6		3.00	2.00	0.00	0.00	0.0	8.00	E	E G
		3 .I364 Electronic Business Communication	6	SA	3.00	2.00	0.00	0.00	0.0	8.00		
		3 .I365 Fundamentals of Information Theory and Coding	6	SA	3.00	2.00	0.00	0.00	0.0	8.00		
		3 .I366 Project Management	6	AO	3.00	2.00	0.00	0.00	0.0	8.00		
Total number of teaching hours and ECTS credits					24	21				60		
Total number of teaching hours per year					45							
Annual number of active classes per year					360	315						
Total ECTS per year										60		
FOURTH YEAR												
25	3 .I 471	Software Development	7	NS	3.00	3.00	0.00	0.00	0.0	8.00	C	
26	3 .I 472	Information System Projecting	7	NS	3.00	2.00	0.00	0.00	0.0	7.00	C	
27	3 .I473	Internet Marketing	7	NS	3.00	3.00	0.00	0.00	0.0	7.00	C	
28	3 .IZB5	Elective course 5 (an 8- credit course is elected)	7		3.00	2.00	0.00	0.00	0.0	8.00	E	E G
		3.I474 Decision Support Systems	7	HC	3.00	2.00	0.00	0.00	0.00	8.00		
		3.I475 Software Engineering	7	SA	3.00	2.00	0.00	0.00	0.00	8.00		
		3.I476 Business Communication	7	TM	3.00	2.00	0.00	0.00	0.00	8.00		
29	3 .IZB6	Elective course 6 (a 10- credit course is elected)	8		5.00	2.00	0.00	0.00	0.0	10.00	E	E G
		3.I481 Databases Practicum	8	SA	5.00	2.00	0.00	0.00	0.00	10.00		
		3.I482 Digital Signal Processing	8	SA	5.00	2.00	0.00	0.00	0.00	10.00		
		3.I483 Computer Applications Practicum	8	SA	5.00	2.00	0.00	0.00	0.00	10.00		
30	3 .I484	Computer Simulations	8	NS	5.00	2.00	0.00	0.00	0.0	7.00	C	
31	3 .I485	Work placement	8	SA	0.00	0.00	0.00	0.00	6.0	3.00	C	
32	3 .I486	Final paper subject	8	SA	0.00	0.00	0.00	8.00	1.0	4.00	C	
33	3 .I487	Final paper	8	SA	0.00	0.00	0.00	0.00	1.0	6.00	C	
Total teaching hours per block					10.00	4.00	0.00	8.00	8.00			
Total number of active teaching hours and ECTS per block					22.00					30.00		
Total teaching hours per block					30.00							
Total number of teaching hours and ECTS credits					22.00	14.00	0.00	8.00	8.00			
Total number of teaching hours per year					44.00					60		
Total number of teaching hours per year					52.00							
Annual number of active classes per year					330	210	0.00	120	120			
Total number of teaching hours per study program					1365	1155		120	120			
Total					2640				120			
Total ECTS										240		

L- lectures

PE- practical exercises

OFT- other forms of teaching

RW- research work